EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	powder near3 weld$4 with enclos$7 near2 preform$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:21
L2	0	powder near3 weld$4 same enclos$7 near2 preform$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:21
L3	2	powder near3 weld$4 and enclos$7 near2 preform$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:22
L4	0	(laser beam) near4 weld$4 with (powder particle particulate) near4 fill$2 and enclos$7 near2 preform$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:24
L5	0	(laser beam) near4 weld$4 with (powder particle particulate) near4 fill$2 same preform$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:24
L6	89	(laser beam) near4 weld$4 with (powder particle particulate) near4 fill$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:24
L7	23	(laser beam) near4 weld$4 with (powder particle particulate) near4 fill$2 and build$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:24
L8	1	("6024792").PN.	USPAT; USOCR	OR	OFF	2010/05/03 10:27
L9	4	"0740977"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:28

L10	22	("3528861" | "3676085" | "3754903" | "4152223" | "4313760" | "4346137" | "4419416" | "4585481" | "4643782" | "4743514" | "4758480" | "4973445" | "5232789" | "5304039" | "5312584" | "5759301" | "5888451" | "5993980" | "6024792" | "RE32121").PN. OR ("7014923").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 10:36
L11	2	"20070007260"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 10:56
L12	1	L11	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 10:56
L13	1	12 and subsequent$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 10:56
L14	57	hollow near2 blade and dampen$3 with (hollow blade)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 10:57
L15	3	hollow near2 blade with (fill$3 insert$3) same dampen$3 with (hollow blade)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:00
L16	16	"5233150"	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:14
L17	1	("5233150").PN.	USPAT; USOCR	OR	OFF	2010/05/03 11:14
L18	37	hollow near2 blade and subsequent$4 near4 insert$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:39
L19	1	hollow near2 blade and subsequent$4 near4 insert$4 with fill$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:41

L20	5	hollow near2 blade and subsequent$4 near4 insert$4 with (inside within)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:41
L21	41	(turbo turbine) with blade and laser with powder with buil$4 adj up	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:57
L22	1	(turbo turbine) with blade and laser with powder with buil$4 adj up and rotor adj holder	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:58
L23	12	(turbo turbine) with blade and laser with powder with buil$4 adj up and rotor with ring	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:58
L24	20	(turbo turbine) with blade and laser with powder with buil$4 adj up and rotor with (ring stator)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:58
L25	2	(turbo turbine) with blade and laser with powder with buil$4 adj up and rotor with (ring stator) with weld$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:58
L26	1	(turbo turbine) with blade and laser with powder with buil$4 adj up and rotor with (ring stator) same weld$4 not 25	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 11:59
L27	1	rotor with holder near4 blade near6 weld$4 and powder near4 weld $4	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:06
L28	2	rotor with dis? near4 blade near6 weld$4 and powder near4 weld $4	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:06
L29	1	rotor with dis? with blade with weld$4 and powder near4 weld$4 not 28	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:07
L30	1	rotor and (dis? holder) with blade with weld$4 and powder near4 weld $4 not 28	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:08

L31	20	rotor with blade with weld$4 and powder near4 weld$4 not 28 not 29	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:08
L32	0	rotor with blade with weld$4 and powder near4 weld$4 and blade with ceramic not 29	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:09
L33	0	(rotor dis?) with (blade fin) with weld$4 and powder near4 weld$4 and blade with ceramic not 29	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:10
L34	0	(rotor dis?) with (blade fin) with weld$4 and powder near4 weld$4 and (blade fin) with ceramic not 29	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:10
L35	9	(rotor dis?) with (blade fin) with weld$4 and powder near4 weld$4 and (blade fin) and ceramic not 29	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:10
L36	10	(rotor dis?) with (blade fin) with weld$4 same powder near4 weld$4	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:14
L37	6	(rotor dis?) with (blade fin) with weld$4 same powder near4 weld$4 same laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:16
L38	19	(rotor dis?) with (blade fin) with weld$4 and powder near4 weld$4 and weld$4 with laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:17
L39	8	(rotor dis?) with (blade fin) with weld$4 same powder near4 weld$4 and weld$4 with laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:18
L40	50	join$4 near4 weld$4 same powder near4 weld$4 and weld$4 with laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:18
L41	20	join$4 near4 weld$4 same powder near4 weld$4 same weld$4 with laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:19

L42	20	join$4 near4 weld$4 with powder same weld$4 with laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:21
L43	12	join$4 near4 weld$4 near6 powder same weld$4 near6 laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:21
L44	12	connect$4 near4 weld$4 near6 powder same weld$4 near6 laser	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:23
L45	2	clad$4 near4 weld$4 near6 powder same weld$4 near6 laser same join$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:26
L46	19	clad$4 near4 weld$4 near6 powder same weld$4 near6 laser not 45	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/03 12:27
L47	1	("5887332").PN.	USPAT; USOCR	OR	OFF	2010/05/03 12:33
L48	38	(US-20070007260-$ or US-20050029235-$ or US-20050005444-$ or US-20060011487-$). did. or (US-6936118-$ or US-6730178-$ or US-4244482-$ or US-7449658-$ or US-4726104-$ or US-5701669-$ or US-4322596-$ or US-6542843-$ or US-5067234-$ or US-6469271-$ or US-5233150-$ or US-7021898-$ or US-5887332-$ or US-5665180-$ or US-4736608-$ or US-4948559-$ or US-6637108-$ or US-4484959-$ or US-6024792-$ or US-6872912-$ or US-3697192-$ or US-6269540-$ or US-5038014-$ or US-6682253-$).did. or (US-3528861-$ or US-2155052-$ or US-2920868-$ or US-2776253-$ or US-	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/05/03 12:38

		2648388-$).did. or (DE-19547903-$ or EP-496181-$ or JP-93055233-$ or EP-70773-$ or US-4835357-$).did.				
L49	22	48 and laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 12:38
L50	2	"19547903"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 12:41
L51	17	48 and powder with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 13:12
L52	1	48 and ceramic with plastic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 13:15
L53	1	48 and weld adj cladding with powder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/03 13:20
S1	2	"20070007260"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 10:08
S2	10	((buil? adj up) buil?up) with weld$4 with (substructure preform $2) and weld$4 same (gas turbine rotor blade turbo turbomachin$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 10:46

S3	2	(multiple plural$4) adj2 (layer bead) with weld$4 same weld$4 with (substructure preform$2) and weld $4 same (gas turbine rotor blade turbo turbomachin$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:03
S4	0	(multiple plural$4) adj3 (layer bead) with weld$4 same weld$4 with (substructure preform$2) and weld $4 same (gas turbine rotor blade turbo turbomachin$5) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:11
S5	0	(multiple plural$4) adj4 (layer bead) with weld$4 same weld$4 with (substructure preform$2) and weld $4 same (gas turbine rotor blade turbo turbomachin$5) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:11
S6	11	(multiple plural$4) adj2 (layer bead) with weld$4 same weld$4 with (reinforc$5 substructure preform $2) and weld$4 same (gas turbine rotor blade turbo turbomachin$5) not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:12
S7	159	((buil? adj up) buil?up) with weld$4 with (reinforc$5 substructure preform $2) not S2 not S3 not S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:17
S8	204	((buil? adj up) buil?up) with weld$4 with core	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:21
S9	2	((buil? adj up) buil?up) with weld$4 with core with (substructure preform$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:21

S10	0	(multiple plural$4) adj2 (layer bead) with weld$4 with core with (substructure preform $3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:22
S11	50	(multiple plural$4) adj2 (layer bead) with weld$4 with core	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:22
S12	1	(multiple plural$4) adj2 (layer bead) with weld$4 with preform	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 11:25
S13	2	"19547903"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 13:00
S14	32	("20020015654" | "20030042233" | "3777106" | "4195475" | "4237361" | "4246463" | "4509673" | "4726104" | "4775092" | "4832252" | "4841117" | "4842663" | "5038014" | "5067234" | "5147999" | "5165758" | "5235745" | "5261480" | "5321228" | "5553370" | "5701669" | "5913555" | "6049979" | "6172327" | "6198187" | "6238187" | "6326585" | "6468367" | "6469271" | "6580959" | "6607114" | "6754955").PN. OR	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:01

		("7449658").URPN.				
S15	31	S14 and weld$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:04
S16	10	S14 and weld$4 same powder	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:06
S17	27	laser with (buildup up) adj weld$4 with powder	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:13
S18	17	laser near2 powder with (buildup up) adj weld$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:13
S19	9	laser near2 powder with (buildup up) adj weld$4 same (gas turbine rotor blade turbo turbomachin$5)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:14
S20	27	"4014808"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:16
S21	3	S7 and powder with weld$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:48
S22	14	(US-20070007260-$ or US-20050029235-$ or US-20050005444-$). did. or (US-6936118-$ or US-6730178-$ or US-4244482-$ or US-7449658-$ or US-4726104-$ or US-5701669-$ or US-4322596-$ or US-6542843-$ or US-5067234-$ or US-6469271-$).did. or (DE-19547903-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/21 13:49
S23	7	S22 and laser with powder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 13:49
S24	1	("5233150").PN.	USPAT; USOCR	OR	OFF	2009/10/21 13:52
S25	4	("5233150" | "5701669").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 13:53

S26	104	rotor with blade with dampen$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 14:02
S27	5	rotor with blade with dampen$3 near5 (inside within enclosed interior)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 14:02
S28	17	rotor with blade and (blade rotor) with dampen$3 near5 (inside within enclosed interior)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 14:03
S29	12	S28 not S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/21 14:03
S30	17	(US-20070007260-$ or US-20050029235-$ or US-20050005444-$).did. or (US-6936118-$ or US-6730178-$ or US-4244482-$ or US-7449658-$ or US-4726104-$ or US-5701669-$ or US-4322596-$ or US-6542843-$ or US-5067234-$ or US-6469271-$ or US-5233150-$ or US-7021898-$).did. or (DE-19547903-$ or EP-496181-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:05
S31	13	S30 and turbine	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:15
S32	11	S30 and powder	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:15
S33	10	S30 and powder with weld$3	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:20
S34	0	weld$3 with support adj preform same enclos$4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:36

S35	2	weld$3 with support$3 adj (preform$2 plug $4) same enclos$4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:36
S36	0	build$3 adj up with support$3 adj (preform $2 plug$4) same enclos $4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:36
S37	0	build$3 adj up adj2 weld$4 same support $3 adj (preform$2 plug $4)	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:39
S38	18	build$3 adj up adj2 weld$4 same (preform $2 plug$4)	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:39
S39	18	S38 and weld$4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:54
S40	0	preform$2 adj enclos $4 adj5 weld$4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:55
S41	0	preform$2 adj encapsulat$4 adj5 weld $4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:56
S42	4	preform$2 near2 (encapsulat$4 enclos $4) near5 weld$4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:56
S43	23	(nonmetal$4 ceramic) near2 (encapsulat$4 enclos$4) near5 weld $4	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 13:58
S44	22	"228"/$.ccls. and (encapsulat$4 enclos $4) near5 weld$4 and (turbine turbo) same (blade rotor)	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 14:27
S45	38	"228"/$.ccls. and build near5 weld$4 and (turbine turbo) same (blade rotor)	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 14:27
S46	22	"228"/$.ccls. and build near5 weld$4 same (turbine turbo) same (blade rotor)	US-PGPUB; USPAT; DERWENT	OR	ON	2009/10/30 14:28
S47	8	laser with powder with weld$4 with preform$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 11:59

S48	0	laser same powder with weld$4 with preform$2 not S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:23
S49	5	laser with weld$4 and powder with weld$4 with preform$2 not S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:23
S50	0	powder with build$3 adj weld$4 with preform$2 not S47 not S49	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:26
S51	0	powder with build$3 adj weld$4 and preform$2 with backing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:26
S52	0	powder with build$3 adj weld$4 and preform$2 with back$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:27
S53	0	powder with build$3 adj weld$4 and preform$2 near4 plug	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:27
S54	0	powder with build$3 adj2 weld$4 and preform$2 near4 plug	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:27
S55	0	(powder particle particulat) with build$3 adj2 weld$4 and preform$2 near4 plug	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:28
S56	8	(powder particle particulat) with build$3 adj2 weld$4 and preform	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:28
S57	8	S56 not S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/02 12:28

| S58 | 8 | laser with powder with weld$4 with composite | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/02 12:44 |
| S59 | 0 | laser with powder with weld$4 with composite same build$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/02 12:45 |

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